BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work: Detailed Estimate for the work of Construction of CC road at 30th cross western side kondappa layout near jangamaiah house in ward No- 02 of yelahanka Sub Division.

Estimate Cost Rs. 800000.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.3/ PWD SR 2015-16	cum							
	for RCC drain		1	35.00	1.00	0.90	31.50		
	cc road		1	45.00	1.00	0.90	40.50		
			1	35.00	3.00	0.20	21.00		
							93.00	192.24	17878.00
	Basic Rate	178.00							
	Area Weightage @ 8%	14.24							
	Total	192.24							
2	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 130 (SR 2015-16)	cum							
			Vide Item No. 1				93.00	85.60	7961.00
	Basic Rate for loading and unloading	68.00							
	Basic Rate for Haulage upto 4.00 k.m =1.28 X 2.20 X 4	11.26							
		79.26							
	Area Weightage @ 8%	6.34							
	Total	85.60							

Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRRB M300-53: construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) MORTH specification Page No. 305.4.3, No. 144/ Item No. 19.60/ PWD SR 2015-16	cum				0.15			
			1	35.00	3.00	(0.30)	~~31.50~~		
							(31.50)	311.04	(9798.00)
	Basic Rate	288.00					15.75		4898
	Area Weightage @ 8%	23.04							
	Total	311.04							
3	Providing sand and boulders to foundation in slussy condition Page No. III Sl no 73 code no 0794 PWD SR 2015-16	providing & filling in foundation with granite/trap broken metal 100mm & down size with approved sand including hand packing ramming watering ... etc complete cum							
	P-6 Sl no. 2.15 of PWD SR for 2015-16		1	45.00	1.00	0.20	~~18.00~~	~~600~~	~~10800.00~~
							~~18.00~~	(648.00)	(11664.00)
	Basic Rate	600.00	2013				9.00	2174	19556
	Area Weightage @ 8%	48.00	161						
	Total	648.00	2174						
4	KSRB-4-1.2 : ~~Providing and laying~~ in position plain cement concrete of mix **1:3:6 withOPC** cement at 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.2/ PWD SR 2015-16	Cum							
	for RCC drain		1	35.00	0.90	0.15	4.73		
			1	45.00	0.90	0.15	6.08		
	for cc road		1	35.00	3.00	0.15	15.75		
							26.55	5236.92	139040.00
	Basic Rate	4849.00							
	Area Weightage @ 8%	387.92							
	Total	5236.92							

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, **lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc,** including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2015-16	Cum							
	for RCC drain bed		1	35.00	0.90	0.15	4.73		
	side walls	1x2	2	35.00	0.15	0.70	7.35		
			1	45.00	0.90	0.15	6.08		
		1x2	2	45.00	0.15	0.75	10.13		
							28.28	6198.12	175252.00
	Basic Rate	5739.00							
	Area Weightage @ 8%	459.12							
	Total	**6198.12**							
6	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/ PWD SR 2015-16	Quintal							
	for RCC drain 65 kg/cum		0.650	28.28			18.38		
				28.28			18.38	6851.31	125919.00
	Basic Rate	6463.50							
	Area Weightage @ 6%	387.81							
	Total	**6851.31**							

Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
7	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters, bittresses,buttresses plinth and string course including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15/ Item No. 4.31/ PWD SR 2015-16	sqm							
	for rcc drain	1x4	4	35.00		0.70	98.00		
		1x4	4	45.00		0.60	108.00		
			1	1.20		0.23	0.28		
							206.28	306.72	63269.00
	Basic Rate	284.00							
	Area Weightage @ 8%	22.72							
	Total	306.72							
8	RCC Precast covering slab for drain (10cm thick)	sqm			0.75		26.25		
			1	35.00	0.90		31.50		
			1	42.00	0.90		37.80		
							69.30	1498.00	103811.00
	Rate Approved by BBMP	1498.00					64.05		95946
9	KSRRB M600-6: cement concrete pavement, construction unreinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with 43 grade cement or any other type as per clause 1051.2.2M20/M30 at 380/450 kg per cum, coarse and fine aggregate conforming to IS. 383, maximum size of coarse aggregate not exceeding 25mm, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including leveling the form work as per drawing.), spreading the concrete with shovels, rackers compacted using needle, scred and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved curing compound, finishing to lines and grade as per drawing complete as per specification M30(at 360kg per cum coarse aggregate @ 0.69cum and fine aggregare @ 0.46cum), , No. 174/ Item No. 22.6.1 SR 2015-16	Cum							97.25
	for cc road		1	35.00	3.00	0.10	10.50		
							10.50	5957.28	62551.00
	Basic Rate	5516.00							
	Area Weightage @ 8%	441.28							
	Total	5957.28							

Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
10	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift. Page No 174 Item No 22.7 SR 2015-16	Sqm							
			1	35.00	3.00		105.00		
							105.00	97.20	10206.00
	Basic Rate	90.00							
	Area Weightage @ 8%	7.20							
	Total	97.20							
11	Providing groove cutting for width of 5mm to 100m depth 80mm-100 including cost of cutting machine, generatoe & HOM of machinery, including cost of blade, coolant etc., including cleaning of groove & providing sand and hot birumen fillars, and filler metal etc., including cost of conveyance of all materials, Labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. do- for concrete pavement Item no 22.8.1 Page No 178 SR 2015-16	Rmt							
	for cc road		10	3.00			30.00		
							30.00	124.20	3726.00
	Basic Rate	115.00							
	Area Weightage @ 8%	9.20							
	Total	124.20							
								total	731075.00
	KRIDL Charges 8%								58486.00
12	1% of Quality control charges								8000.00
13	Miscellaneous charges								2439.00
								Total	800000.00

(Rupees Eight lakhs Only)

Administrative Sanction for Rs. 8.00 Lakhs
Eight Lakhs only
is accorded under head P-24/15-
2015-16
Registered as CE No. ..... Subject
to conditions contained in enclosed memo
No. EE/YNK/08/ /15-16 Dt.
Executive Engineer

3668

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2015-16
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

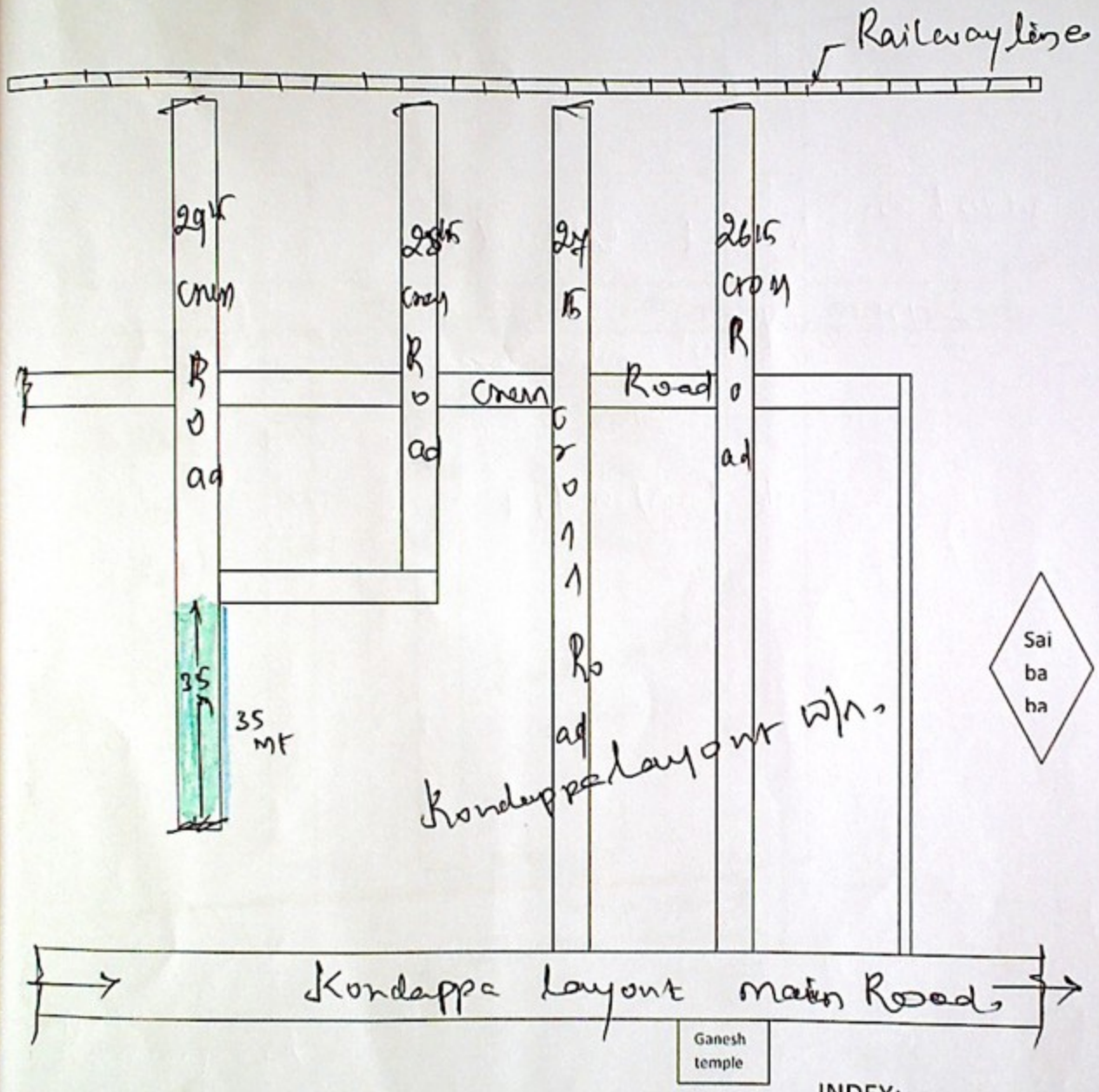
Assistant Engineer

Assistant Executive Engineer
Yelahanka Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

TECHNICALLY SANCTIONED FOR Rs. 8.00 Lakh
Rupees Eight Lakhs only
Under P-24/15-2015-16
Registered as CE ( ) No. .....
Subject to conditions contained in
enclosed memo EE ( ) No. .....
Dated EE/YNK/08/ /15-16
Rs. 8.00 Lakhs
Executive Engineer

NAME OF WORK : Construction of CC road at 30th cross western side kondappa layout near Jangamaiah house in ward No- 02 of yelahanka sub division.



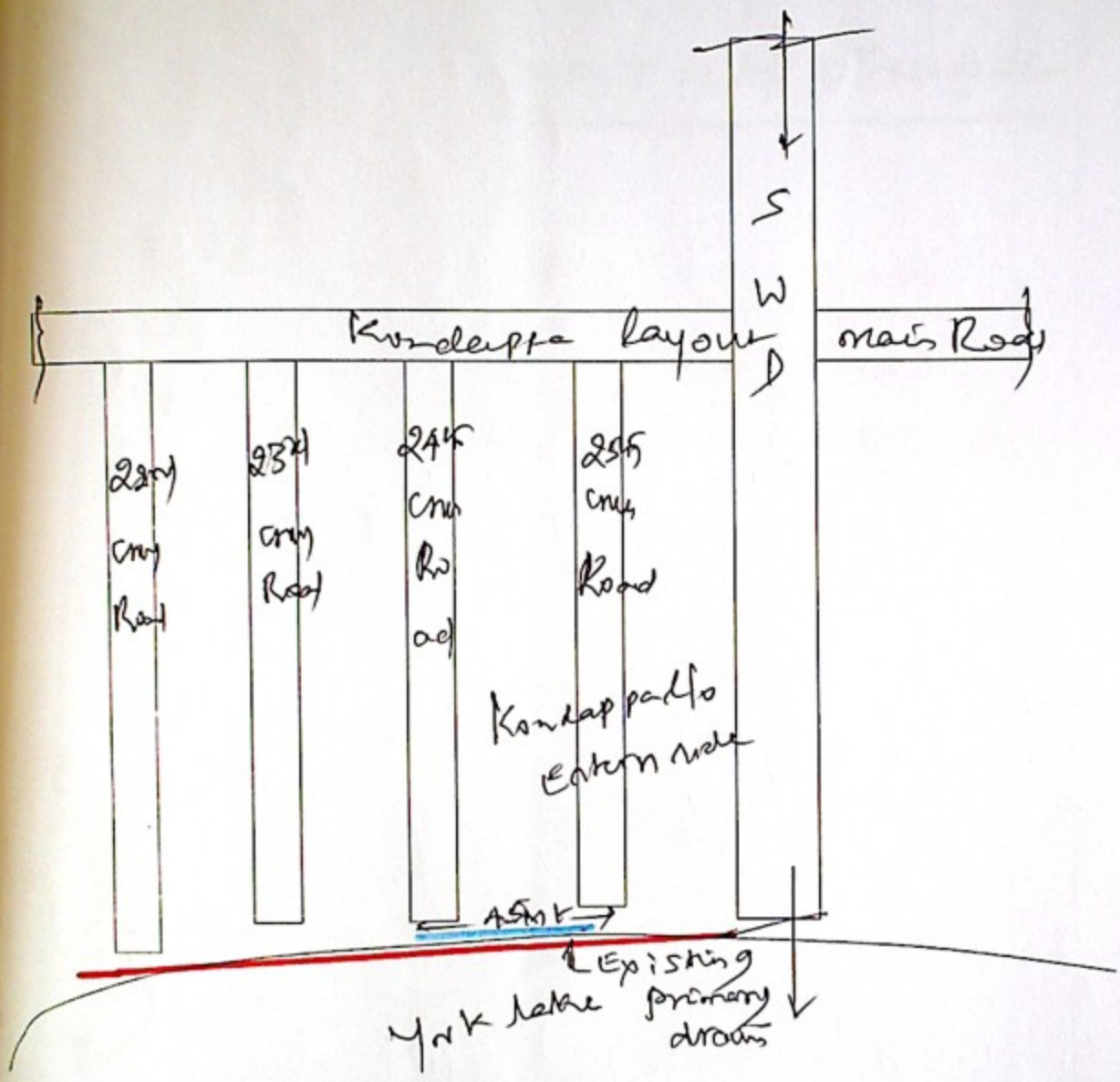
INDEX:

CC Road

Roadrain

A.E. Rameshjeerah

A.E.E.
Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore



INDEX:

R.C. drains

A.E. Ramanjeeva

A.E.E.

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore